

ABSTRACT OF THE DISCLOSURE

A digital film processing system and method which utilizes a single imaging station having a single sensor unit. During a first scanning, radiation is applied to the front surface of a frame of developing film and the radiation reflected from the front surface of the film is sensed using a single sensor unit. The film is then flipped or rotated either manually or automatically. During a second scanning, radiation is then applied to the back surface of the same frame of the developing film, and the radiation reflected from the back surface of the film is sensed using the single sensor unit. During another scanning, either before or after the film is flipped, radiation is transmitted through the same frame of the developing film and the transmitted radiation is sensed by the single sensor unit. Then, a single digital image file for the frame is created from the three scannings.

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